**Project Development Phase**

**Model Performance Test**

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| Date | 25 June 2025 |
| Team ID | LTVIP2025TMID35513 |
| Project Name | pattern sense: classifying fabric patterns using deep learning |
| Maximum Marks |  |

**Model Performance Testing:**

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
| 1. 1. | Model Summary | Convolutional Neural Network (CNN) architecture with:  • Input Layer: Fabric image (224×224×3)  • 4 convolutional blocks with ReLU activation & max pooling  • Flatten layer  • Fully connected dense layers  • Output Layer: Softmax for multi-class pattern classification (e.g., floral, geometric, striped, abstract, plain) |  |
| 1. 2. | Accuracy | Training Accuracy — **98.5%**  Validation Accuracy — **95.7%** | [ |
| 3. | Fine Tuning Result (if Done) | Validation Accuracy after fine tuning on additional augmented fabric images — **97.2%** |  |